Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

AMILO Notebook Pa 3515 The perfect all-round notebook

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The AMILO Notebook P series combines versatile performance, great technology, fascinating design and an independent lifestyle.

Key Features

Processor technology
- AMD next-generation mobile processor technology

Operating System
- Windows Vista® Home Premium

Mobility
- Standard 15.4-inch form-factor that fits in almost every bag
- Integrated Wireless LAN to go online when and wherever you want, optionally also with draft-n WLAN
- ATI Radeon™ HD 3200 onboard graphics for an extended battery runtime of up to 4 hours

Entertainment and Multimedia
- The integrated AMILOcam with low-light technology for great video-quality even in low-light conditions and the built-in array microphone are perfect for Internet telephony (VoIP) and video chats
- LCD WXGA display with BrilliantView technology for vivid colors, amazing sharpness and impressive contrast
- Enjoy your favorite Hollywood blockbuster on an external display via DVI-I (with HDCP support)

More convenience thanks to
- The spill-proof keyboard that protects your notebook against accidentally spilt liquids
- The silent mode function that causes a noticeable reduction in fan noise
- The built-in DVD drive to store and secure data comfortably on the move

Fujitsu Siemens Computers recommends Windows Vista® Home Premium

Operating system[1] and Recovery	
Operating system	Genuine Windows Vista® Home Premium (32-bit version) or Genuine Windows Vista® Home Basic (32-bit version)
Fujitsu Siemens Computers Recovery Program	Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included
Architecture	
System architecture	AMD next-generation mobile processor technology
Chipset	AMD 780G + SB700
Processors[1]	
AMD Turion™ X2 Ultra processor	ZM-80 (2.1 GHz, 2 MB L2 cache) ZM-82 (2.2 GHz, 2 MB L2 cache) ZM-84 (2.3 GHz, 2 MB L2 cache) ZM-86 (2.4 GHz, 2 MB L2 cache)
AMD Turion™ X2 Dual-Core processor	RM-70 (2.0 GHz, 1 MB L2 cache) RM-72 (2.1 GHz, 1 MB L2 cache)
AMD Athlon™ X2 Dual-Core processor	QL-60 (1.9 GHz, 1 MB L2 cache) QL-62 (2.0 GHz, 1 MB L2 cache)
AMD Sempron™ processor	SI-40 (2.0 GHz, 512 KB L2 cache) SI-42 (2.1 GHz, 512 KB L2 cache)
Memory	2 SO-DIMM memory slots (no memory on board)
Memory speed	800 MHz
Memory type	DDR2 RAM
Memory modules	1024 or 2048 MB
Max. memory size [1,2]	4096 MB
Drives	
Hard disk drive	
HDD type	SATA
HDD size	2.5-inch
HDD speed	5400 rpm
HDD cache	8 MB
HDD capacity[1]	160, 250 or 320 GB
Optical disc drive[1]	
ODD type	SATA
ODD technology	Built-in SuperMulti-format DVD burner with dual double layer (DL) support
ODD read speed	CD-ROM 24x, DVD-ROM 8x
ODD write speed	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD-RAM 5x
Display	
Display type	BrilliantView LCD
Display size	15.4-inch
Display resolution (intern)	1280 x 800 pixels
Display resolution (extern)	1920 x 1200
Resolution type	WXGA
Reaction time	16 ms
Brightness (typ.)	200 NIT
Contrast (typ.)	400 : 1
Compliance with standards	ISO 13406-2 class II
Graphics	
Dedicated graphics (full name)	-
Dedicated video memory	64 MB dedicated local frame buffer video memory for extended battery life
Onboard graphics chip	ATI Radeon™ HD 3200
Shared video memory[3]	Up to 1984 MB shared memory
3D Benchmark 2006	~ 1400 points
Graphic features	Dual display support, to use LCD and external display via DVI-I simultaneously

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Interfaces	
Video	1x DVI-I (incl. HDCP)
Audio	1x line in, 1x microphone in, 1x line out / headphone out combined with S/PDIF out
Network	1x LAN (RJ-45)
Data	1x eSATA combined with USB 2.0, 2x USB 2.0 1x ExpressCard slot (54 / 34 mm) 1x 15-in-1 card reader[4] SD, miniSD, MicroSD, SDHC MS, MS-Duo MMC, RS-MMC, MMC-Micro MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2 xD picture card
Power supply	1x DC-in
Communication	
LAN (Local Area Network)	10 / 100 Mbps
Built-in WLAN (Wireless Local Area Network)	Yes
WLAN type	802.11b/g
WLAN max. date rate	54 Mbps
WLAN encryption	WEP, WPA and WPA2
Option[1]	
WLAN type	draft-n 802.11b/g/n
WLAN max. date rate	up to 300 Mbps
WLAN encryption	WEP, WPA and WPA2
For use in	BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY
Multimedia / Entertainment	
Audio	Support of HD audio for S/PDIF output with up to 7.1 channels
Audio chip	Realtek ALC888
Speakers	2x built-in speakers (1.5 W each)
Microphone	Built-in analog array microphone
Subwoofer	-
Input device	Sound volume control via function key
AMILOcam	
Image sensor	VGA webcam
Frames per second	30[5]
Features	■ Auto focus ■ Automatic brightness adjustment with status LED (blue: on, red: streaming / application on) ■ Low-light technology for great video-quality even in dark surrounding
Input devices / Control buttons	
Power button	Located left of the keyboard, back-lighted
Keyboard	Spill-proof keyboard with 85 keys
Touchpad	Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6)
Multimedia keys	Located on top of the keyboard to launch the following applications: ■ Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected) ■ DVD playback ■ Internet browser

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Hot keys	The following hot keys or key combinations are available ■ Fn+F1 WLAN on / off ■ Fn+F3 Mute on / off ■ Fn+F4 Volume down ■ Fn+F5 Volume up ■ Fn+F6 Touchpad on / off ■ Fn+F7 AMILOcam on / off ■ Fn+F8 Brightness down ■ Fn+F9 Brightness up ■ Fn+F10 Display switch ■ Fn+F11 Silent mode ■ Fn+F12 Suspend
Status indicators	The notebook has 3 status LEDs: ■ Power status (& suspend) Blue (always on): on; Blue blinking: stand by, None: off ■ Battery charge Blue (always on): full, Blue blinking: charging; Red blinking: < 10% capacity ■ WLAN Blue: on; None: off
Security	
Supervisor and user password	Yes
Kensington lock	Yes
Lid switch (hidden)	Yes
ACPI functions	ACPI 3.0 compliant for Vista requirement ■ S1 LCD off ■ S3 save to RAM ■ S4 save to disk ■ S5 soft off ■ Silent Mode
Power System	
Battery[6]	
Battery type[1]	Lithium-Ion battery 6 cells, 11.1 V / 2200 mAh (cell) / 4400 mAh (pack) or 8 cells, 14.8 V / 2400 mAh (cell) / 4800 mAh (pack)
Battery runtime (test program)[7]	Up to 4:10 hours (8-cell battery); up to 2:50 hours (6-cell battery)
Battery runtime (DVD playback)[8]	Up to 2:45 hours (8-cell battery); up to 1:50 hours (6-cell battery)
Battery charging time (idle mode)	Up to 1:40 hours (8-cell battery); up to 1:10 hours (6-cell battery)
Battery charging time (maximum active mode)[9]	Up to 3:10 hours (8-cell battery); up to 1:35 hours (6-cell battery)
Battery charging time (DVD playback)[10]	Up to 2:10 hours (8-cell battery); up to 1:10 hours (6-cell battery)
Battery charging time (off mode)	Up to 2 hours (8-cell battery); up to 1:25 hours (6-cell battery)
Noise emission	
Idle mode[11]	28.4 dBA (silent mode off)
Maximum active mode[12]	33 dBA (silent mode off)
AC Adapter	Dynamic charge supported, ACPI 2.0 supported
Wide Range AC adapter	110 - 240 V AC, 50 - 60 Hz
Output[1]	90 W with 20 V DC, 4.5 A
Energy consumption	
S0 (idle mode)	14.79 W
S0 (max. active mode)[13]	34.82 W
S3 (stand by / energy saving mode)	0.43 W
S4 (hibernate)	0,01 W
S5 (off mode)	0.01 W
Operating conditions	
Operational	5 °C to 35 °C (ambient temperature) 10 % to 90 % relative humidity, non-condensing
AC input	100 - 240 V, 50 - 60 Hz

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Dimensions and weight	
W x D x H	358 x 259 x 37.5 (front) / 43.5 (back) mm
Weight	2.95 kg[14]
Certifications	GOST (WLAN) CE Marking R&TTE (WLAN)
Warranty	Country specific terms
Operational Software	
Home office	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system) Optional[1] Windows Media Center (within Windows Vista® Home Premium operating system)
Internet	Microsoft® Internet Explorer Country specific Internet provider
Security	Norman security software solution
Accessories	
Included	AC adapter 90 W First Battery (6 or 8 cells battery)
Manuals	Manual (on hard disk), quick start guide, safety guide, warranty guide, recovery guide
Drivers	Updates downloadable at http://www.fujitsu-siemens.com

[1] Depending on exact configuration. Please check at your local retailer.
[2] DISCLAIMER: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4096 MB RAM.
[3] Shared video memory size may vary depending on configuration. Used video memory size depends on Microsoft® Windows Vista® memory management.
- 1024 MB system memory enables up to 448 MB total video memory (dedicated plus shared memory).
- 2048 MB system memory enables up to 960 MB total video memory (dedicated plus shared memory).
- 3072 MB system memory enables up to 1472 MB total video memory (dedicated plus shared memory).
- 4096 MB system memory enables up to 1984 MB total video memory (dedicated plus shared memory).
[4] An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2
[5] AMILOcam frame rate can vary significantly depending on the used software application.
[6] DISCLAIMER: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. The recharge capacity may decrease after some moths so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook.
[7] Tested with Battery Mark 4.0.1 (“power saver mode”)
[8] DVD playback tested with Vista DVD playback
[9] Tested with 3DMark 2003
[10] DVD playback tested with Vista DVD playback
[11] Tested with QAFE 8.01, sieve.exe and diskload.exe according to ISO 7779 and ISO 9296
[12] Tested with QAFE 8.01, sieve.exe and diskload.exe according to ISO 7779 and ISO 9296
[13] Tested with 3DMark 2006
[14] Weight may vary depending on actual configuration.

The configuration described in this document is generic only and non-binding. For the exact configuration of your AMILO, please contact your licensed dealer.

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